

## INFORMATION DISCLOSURE STATEMENT

BY APPLICANT

Docket: 6454-61583

App: 10/021,751

Applicant: Babicki et al.

Filed: December 11, 2001

Art Unit: 1724

## U.S. PATENT DOCUMENTS

	Number	Date	Name	Class	Sub	Filed
16	2002-0004157A1	01/2002	Keefer et al.			
	2002-0098394A1	07/2002	Keefer et al.			
	3,094,569	06/1963	T.L. Thomas			
	3,204,388	09/1965	G.C.F. Asker			
	3,430,418	03/1969	J.L. Wagner			
	3,513,631	05/1970	C.F. Seibert et al.			
	3,594,984	07/1971	Toyama et al.			
	3,847,672	11/1974	Trocciola et al.			
	4,019,879	04/1977	Rabo et al.			
	4,144,037	03/1979	Armond et al.			
	4,153,434	05/1979	Settlemyer			
	4,200,682	04/1980	Sederquist			
	4,272,265	06/1981	Snyder			
	4,322,394	03/1982	Mezey et al.			
	4,354,859	10/1982	Keller et al.			
	4,406,675	09/1983	Dangieri et al.			
	4,452,612	06/1984	Mattia			
	4,530,705	07/1985	Firey			
	4,555,453	11/1985	Appleby			
	4,578,214	03/1986	Jungerhans			
17	4,587,114	05/1986	Hirai et al.			

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## INFORMATION DISCLOSURE STATEMENT

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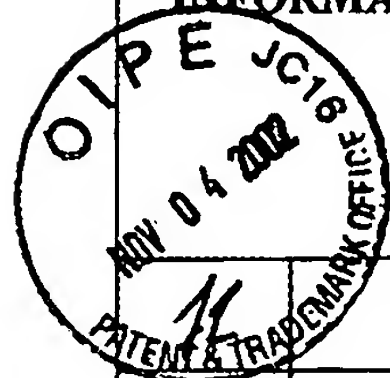
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	4,595,642	06/1986	Nakanishi et al.
	4,702,903	10/1987	Keefer
	4,726,816	02/1988	Fuderer
	4,743,276	05/1988	Nishida et al.
	4,758,253	07/1988	Davidson et al.
	4,759,997	07/1988	Ohyauchi et al.
	4,781,735	11/1988	Tagawa
	4,783,433	11/1988	Tajima et al.
	4,790,858	12/1988	Sircar
	4,801,308	01/1989	Keefer
	4,816,121	03/1989	Keefer
	4,914,076	04/1990	Tsuji et al.
	4,917,711	04/1990	Xie et al.
	4,963,339	10/1990	Krishnamurthy et al.
	4,968,329	11/1990	Keefer et al.
	4,969,935	11/1990	Hay
	4,988,580	01/1991	Ohsaki et al.
	5,079,103	01/1992	Schramm
	5,082,473	01/1992	Keefer
	5,096,469	03/1992	Keefer
	5,096,470	03/1992	Krishnamurthy
	5,126,310	06/1992	Golden et al.
	5,133,784	07/1992	Boudet et al.
46	5,175,061	12/1992	Hildebrandt et al.

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NOV 5 2002  
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## INFORMATION DISCLOSURE STATEMENT

BY APPLICANT

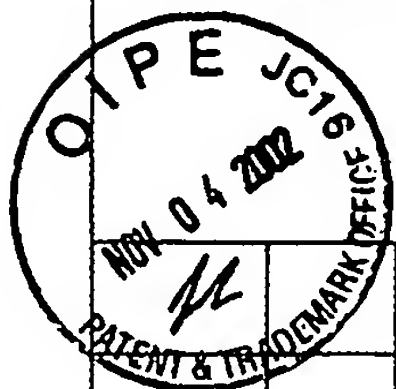
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App: 10/021,751

Applicant: Babicki et al.

Filed: December 11, 2001

Art Unit: 1724



	5,227,598	07/1993	Woodmansee et al.	
	5,246,676	09/1993	Hay	
	5,248,325	09/1993	Kagimoto et al.	
	5,256,172	10/1993	Keefer	
	5,256,174	10/1993	Kai et al.	
	5,258,571	11/1993	Golden et al.	
	5,271,916	12/1993	Vanderborgh et al.	
	5,282,886	02/1994	Kobayashi et al.	
	5,328,503	07/1994	Kumar	
	5,366,818	11/1994	Wilkinson et al.	
	5,393,326	02/1995	Engler et al.	
	5,411,578	05/1995	Watson	
	5,415,748	05/1995	Emiliani et al.	
	5,429,665	07/1995	Botich	
	5,431,716	07/1995	Ebbeson	
	5,434,016	07/1995	Benz et al.	
	5,441,559	08/1995	Petit et al.	
	5,487,775	01/1996	LaCava et al.	
	5,509,956	04/1996	Opperman et al.	
	5,523,326	06/1996	Dandekar et al.	
	5,531,809	07/1996	Golden et al.	
	5,543,238	08/1996	Strasser	
	5,593,478	01/1997	Hill et al.	
42	5,604,047	02/1997	Bellows et al.	

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NOV 5 2002

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## INFORMATION DISCLOSURE STATEMENT

BY APPLICANT

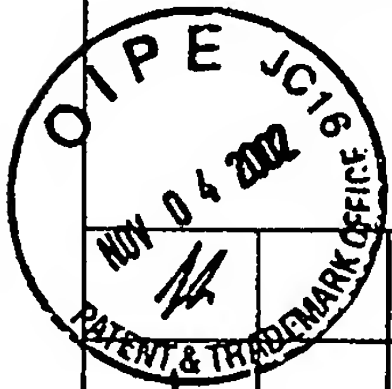
Docket: 6454-61583

App: 10/021,751

Applicant: Babicki et al.

Filed: December 11, 2001

Art Unit: 1724



	5,645,950	07/1997	Benz et al.	
	5,656,067	08/1997	Watson et al.	
	5,658,370	08/1997	Vigor et al.	
	5,711,926	01/1998	Knaebel	
	5,714,276	02/1998	Okamoto	
	5,766,311	06/1998	Ackley et al.	
	5,811,201	09/1998	Skowronski	
	5,827,358	10/1998	Kulish et al.	
	5,900,329	05/1999	Reiter et al.	
	5,917,136	06/1999	Gaffney et al.	
	5,925,322	07/1999	Werth	
	5,955,039	09/1999	Dowdy	
	5,981,096	11/1999	Horborg et al.	
	6,022,399	02/2000	Ertl et al.	
	6,045,933	04/2000	Okamoto	
	6,051,050	04/2000	Keefer et al.	
	6,056,804	05/2000	Keefer et al.	
	6,060,032	05/2000	Hable et al.	
	6,063,161	05/2000	Keefer et al.	
	6,143,057	11/2000	Bülow et al.	
	6,176,897	01/2001	Keefer	
	6,190,623	02/2001	Sanger et al.	
	6,190,791	02/2001	Hornburg	
11	6,200,365	01/2001	Eimer et al.	

RECEIVED  
NOV 5 2002  
JC 1700

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## INFORMATION DISCLOSURE STATEMENT

BY APPLICANT

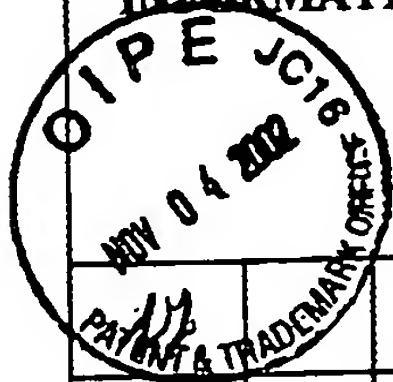
Docket: 6454-61583

App: 10/021,751

Applicant: Babicki et al.

Filed: December 11, 2001

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11	6,231,644	05/2001	Jain et al	
	6,283,723	09/2001	Milburn et al.	
	6,293,998	09/2001	Dolan et al.	
	6,296,823	10/2001	Ertl et al.	
	6,312,843	11/2001	Kimbara et al.	
	6,398,853	04/02	Keefer et al.	
12	6,406,523	06/02	Connor et al.	

## FOREIGN PATENT DOCUMENTS

	Number	Date	Country	Class	Sub
11	GB 2 042 365	09/1980	U.K.		
	DE 3913581 A1 Patent Abstract	11/1990	Germany		
	1,256,038	06/1989	Canada		
	2,016,045	08/1994	Canada		
	2,087,972	01/2000	Canada		
	2,087,973	01/2001	Canada		
	2,109,055	02/1000	Canada		
	0 341 189 A1	08/1989	EP		
	0 143 537 A2	03/1990	EP		
	0 143 537 B1	03/1990	EP		
	0 681 860A2	07/1996	EP		
	0 691 701 A1	10/1996	EP		
	0 750 361 A	12/1996	EP		
	1 070 531A2	01/2001	EP		
12	WO 94/04249	08/1992	PCT		

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NOV 5 2002

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NOV 5 2002

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## INFORMATION DISCLOSURE STATEMENT

BY APPLICANT

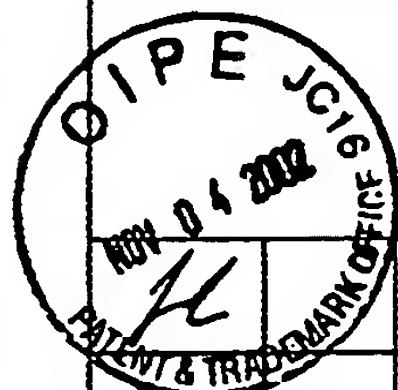
Docket: 6454-61583

App: 10/021,751

Applicant: Babicki et al.

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	WO 99/28013	06/1999	PCT		
	WO 99/46032	09/1999	PCT		
	1095689 A1	<del>1999</del> 05/2001	EP		
	WO 00/16880	03/2000	PCT		
	WO 00/16425	03/2000	PCT		
	WO 9829182	09/1998	PCT		
	59075574A Patent Abstract	04/1984	Japan		
	07094200 Patent Abstract	07/1995	Japan		
	8045526A2 Patent Abstract	02/1996	Japan		
	10325360A Patent Abstract	12/1998	Japan		
HL	11214021A2 Patent Abstract	08/1999	Japan		

RECEIVED  
NOV 5 2002  
TC 1700

## OTHER DOCUMENTS

HL		Vaporciyan and Kadiec, "Periodic Separating Reactors: Experiments and Theory," <i>AIChE Journal</i> 35, pp. 831-844 (1989).
HL		Chatsiriwech et al., "Enhancement of Catalytic Reaction by Pressure Swing Adsorption," <i>Catalysis Today</i> 20, Elsevier Science, pp. 351-366 (1994).
HL		Hufton et al., "Sorption Enhanced Reaction Process for Hydrogen Production," <i>AIChE Journal</i> , vol. 45 no. 2, 248-256 (February 1999).
HL		International Search Report for PCT Application No. US01/48569 (April 5, 2002).

EXAMINER: HL Hule

DATE 2-5-03

\*Examiner: Initial if considered, whether or not in conformance with MPEP 609; draw line through cite if not in conformance and not considered. Send copy.